

# Missouri Wildlife Habitat Appraisal Guide Cropland Community Model

**Applicant(s):** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Farm Number:** \_\_\_\_\_ **Tract Number:** \_\_\_\_\_ **Field Number(s):** \_\_\_\_\_ **County:** \_\_\_\_\_

**Instructions:** Answer each of the questions (1 - 5) below by circling the appropriate points for both the existing and planned conditions.

Points if Existing	Points if Planned
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## Wildlife Friendly Field Border (minimum width of 30 feet)

(1)	Herbaceous Border around $\geq$ 50% of field and no haying or mowing	12	12
	Herbaceous Border around $\geq$ 50% of field and haying or mowing July 15- August 15	9	9
	Herbaceous Border around 25 to 49% of field and no haying or mowing	6	6
	Herbaceous Border around 25 to 50% of field OR haying or mowing after August 15	3	3
	Herbaceous Border around < 25% of field OR > 40% species rated poor OR mowed/hayed 4/1 to 7/15	0	0

**Field Border Points**

## Crop Field Management

(2)	Continuous no-till	12	12
	>50% crop residue or winter cover crop remains throughout the winter months	9	9
	26-50% residue remains throughout the winter months	6	6
	1-25% residue remains throughout the winter months or crop residue burned	3	3
	Fall moldboard plowing	0	0

**Crop Field Management Points**

## Food Value

(3)	1-4 acres of food plot or unharvested grain(minimum 30' wide) per 40 acres of cropland	6	6
	1/4 to 1 acre of food plot of unharvested grain (minimum 30' wide) per 40 acres of cropland	4	4
	Winter cover crop or winter wheat	2	2
	Completely harvested row crops OR FOOD PLOT/UNHARVESTED GRAIN NOT NEXT TO QUALITY COVER	0	0

**Food Value Points**

## Crop Rotation

(4)	Rotation of corn or milo/small grains/beans or other legume/meadow(See Cropland WHAG Instructions)	5	5
	Row crop with winter cover crops or small grains(See Cropland WHAG Instructions)	3	3
	Continuous small grain or continuous row crop	0	0

**Crop Rotation Points**

## Field Size

(5)	Percent of the field within 660 feet of dense shrubby cover, tree line, shelterbelt, woodlot, woody draw, etc.			
	<b>Edge Species</b>	<b>Openland Species (Do not count shrubby cover)</b>		
	75% or more	Less than 10%	5	5
	61-74%	10 to 24%	4	4
	41-60%	25 to 50%	3	3
	21-40%	51-74%	2	2
	Less than 20%	75% or more	0	0

**Field Size Points**

	<b>BONUS POINTS</b> Percent of the field within 660 feet of dense shrubby cover. Add bonus points for useable shrubby cover (30' width of ungrazed shrubby cover; 3-12' tall dense shrub thickets 30'X50', etc), downed tree structures, edge feathering or covey headquarters.	75% or more	5	5
		61-74%	4	4
		41-60%	3	3
		21-40%	2	2
		Less than 20%	0	0

**Total Bonus Points**

Total Points Planned and Existing (maximum score is 40) =

## Missouri Cropland Community Model

### SCORING

- (6) Existing Index = Total Existing Points and Bonus Points/40 (40 is the maximum possible score before adding bonus points)

Total existing points =

Existing Index =

- (7) Planned Index = Total Planned Points and Bonus Points/40 (40 is the maximum possible score before adding bonus points)

Total planned score =

Planned Community Type Index =

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